



Presented by:

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Solid Waste Collections

Division of Solid Waste Services



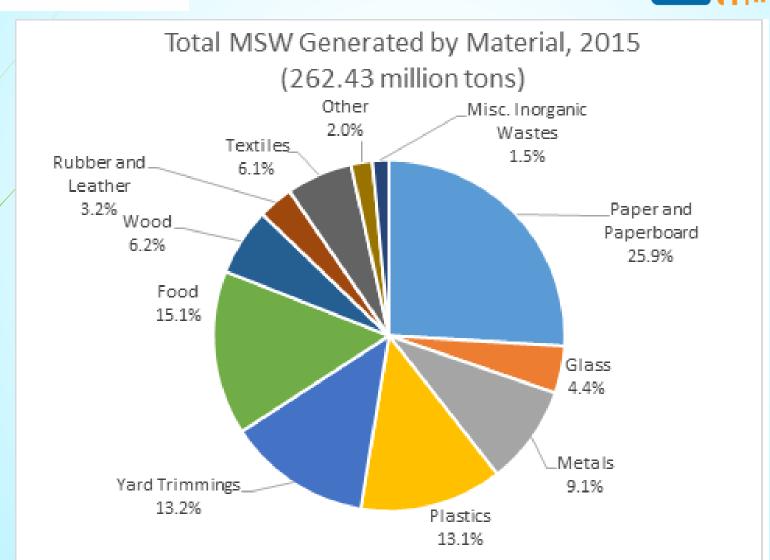


Managing MSW (Municipal solid waste)

- MSW is managed by local government
- Federal and State governments are generally not involved
- Each local government designs the system that works best for their community
 - Laws and regulations
 - Collection
 - Disposal

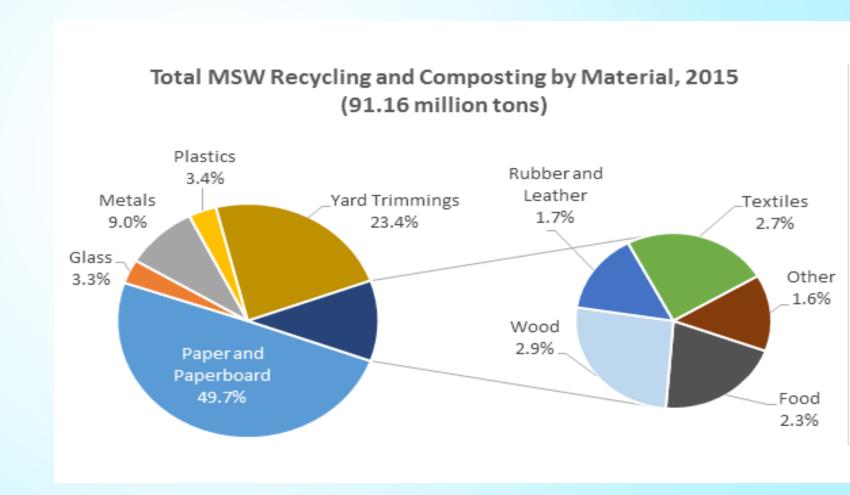








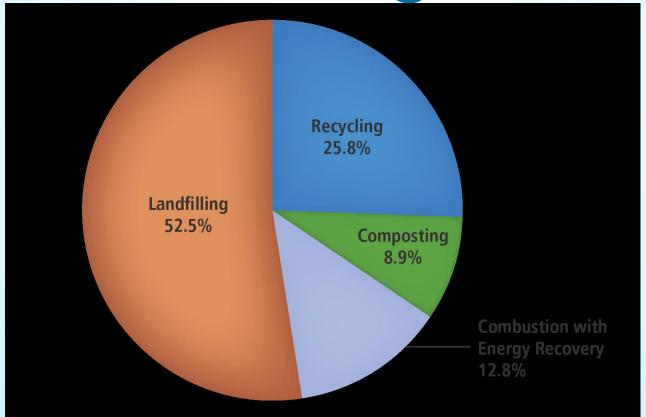








Where does it all go?







- Montgomery County generated 1.5 million tons of MSW in 2017.
- 700,000 tons of material was recycled
- 600,000 tons were disposed
- MoCo's MRA recycling rate is 55.1%





 Local governments manage the MSW they receive; however, they have no control over where the material comes from





- What can they do?
 - Restrictive Laws and Regulations
 - Disposal bans (tires, white goods, yard trim)
 - Material and Packaging bans (plastic bags, Styrofoam, straws)
 - Mandatory recycling (residential, commercial)
- Outreach and education
- Adopt a Zero Waste Plan





What is Zero Waste

- A comprehensive plan to simultaneously engage multiple stakeholders to re-think product design, manufacturing, packaging, transportation, and purchase of goods with focus on a sustainable end-of-life.
 - Federal and State Government
 - Global Manufacturers
 - Distributors and Retailers
 - Consumers
 - Solid Waste Professionals
- To think of these products as resources, not as waste.



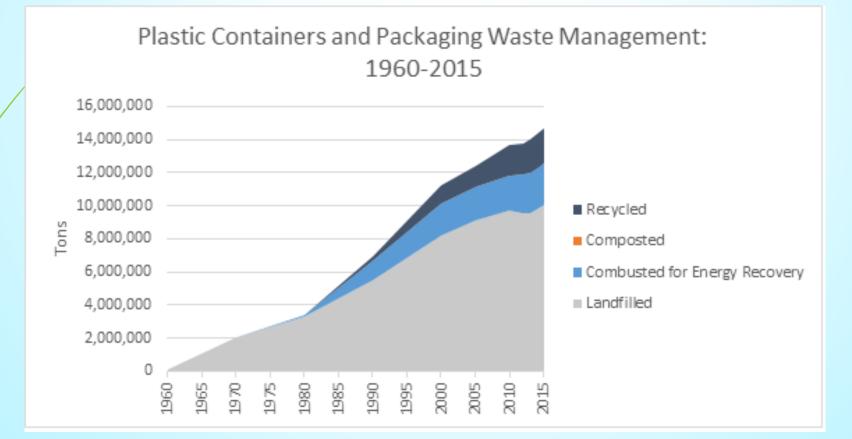


What is Zero Waste

- Call to action that aims to bring to an end the current take, make and waste mentality
- Addresses the entire social system of how we make, consume, and dispose of our "stuff".
- Reduces demand on extraction and use of virgin materials
- Principle to redesign the way resources and materials flow through society
- Holds producers responsible for their products and packaging "from cradle to grave". Product Stewardship. Extended Producer Responsibility.









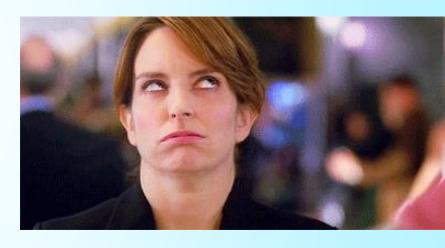
















Planned/Perceived Obsolescence

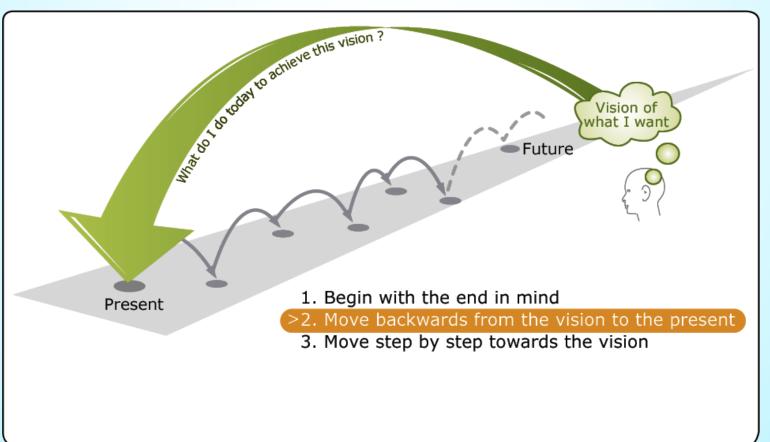








How do we start? Backcasting







Designing for the Future

- How can product manufacturers be engaged?
- How can State and Federal governments be engaged? Extended producer responsibility?
- How can consumption be reduced?
- How can reuse/repair/re-purposing be increased?
- What else can be recycled or composted?
- What collection and processing systems will work best?





How can MoCo aim for Zero Waste?

- Styrofoam ban
- Plastic bag fee
- Mandatory recycling for businesses
- Curbside recycling service for all SF and TH
- Outreach and education
- Appoint a Zero Waste Task Force
- Food waste recycling
- Construction and demolition debris recycling





What can you do?

- Be a champion of recycling
 - Neighbors, friends, co-workers
- Buy durable, re-usable items (limit disposables)
- Know what can/cannot be recycled in MoCo
- Re-think purchasing habits. Need? Want?
- Organize school and neighborhood furniture, clothing, toy, book exchanges
- www.montgomerycountymd.gov/recycle





Questions?